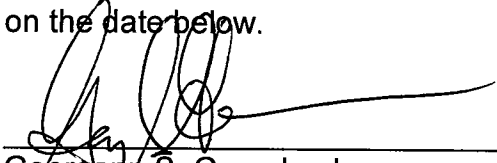


PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Weizheng Wang et al.	I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office addressed to:
Serial No.: 10/691,032	
Filing Date: October 22, 2003	
For: UNBLIND EQUALIZER ARCHITECTURE FOR DIGITAL COMMUNICATION SYSTEMS	Mail Stop AF Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450
Group Art Unit: 2611	on the date below.
Examiner: KUMAR, Pankaj	
Attorney Docket No. PD-202088	Georgann S. Grunebach (Typed or printed name of person signing certificate)
Customer No. 020991	Date: July 30, 2007

**SUPPLEMENTAL DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 (d)**  
**WITH FEE AS SET FORTH IN §1.17(p)**

Mail Stop AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

Reference citation number 1 was cited in a Notice of Allowance dated July 19, 2007 in related U.S. patent application serial number 10/532,632 filed April 25, 2005.

Reference citation number 2 was cited in an Office Action dated June 19, 2007 in related U.S. patent application serial number 10/532,619 filed April 25, 2005.

Reference citation number 3 was cited in an Office Action dated June 11, 2007 in related U.S. patent application serial number 11/603,776 filed November 22, 2006.

Reference citation numbers 4 through 6 were cited in a European Search Report dated April 30, 2007 in the European counterpart application of related U.S. patent application serial number 10/519,375 filed July 3, 2003.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

**CITATION NUMBERS 1, 2 AND 3**  
**Certification Under 37 C.F.R. §1.97(e)(2)**

No item of information contained in the information disclosure statement for citation numbers 1, 2 and 3 was cited in a communication from a foreign patent office in a counterpart foreign application of a related U.S. patent application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement. (certification under 37 C.F.R. § 1.97 (e)(2)).

**CITATION NUMBERS 4 THROUGH 6**  
**Certification Under 37 C.F.R. §1.97(e)(1)**

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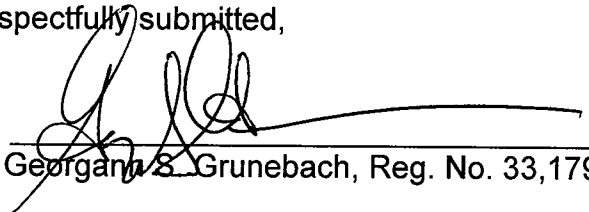
**PAYMENT OF FEE SET FORTH IN §1.17(p)**

Please charge Deposit Account No. **50-0383** of Hughes Electronics Corporation, El Segundo, California, in the amount of **\$180.00**. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:

  
Georgann S. Grunebach, Reg. No. 33,179

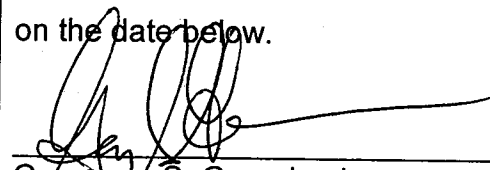
The DIRECTV Group, Inc.  
CA/LA1/A109  
P. O. Box 956  
El Segundo, CA 90245

Telephone No. (310) 964-4615

July 30, 2007

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El Segundo, CA 90245

Telephone No. (310) 964-4615

July 30, 2007

Substitute for form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/691,032
		Filing Date	October 22, 2003
		First Named Inventor	Weizheng Wang
		Art Unit	2611
		Examiner Name	KUMAR, Pankaj
Date:	July 30, 2007		
Sheet 1 of 1		Attorney Docket Number	PD-202088

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

U.S. PUBLICATION DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-2002/0009141	01-2002	Yamaguchi et al.	
	2	US-2004/0091059	05-2004	Chen, Ernest C.	
	3	US-2006/0022747	02-2006	Chen et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	4	EP 1065854	01-2001	Tandberg Television ASA	
	5	WO 01/39455	05-2001	Thomson Licensing SA	
	6	KR 2001 0019997 (English abstract included)	03-2001	Hynix Semiconductor Inc.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.